



File

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q93501

Kazuko YAMASHITA, et al.

Appln. No.: 10/595,146

Group Art Unit: Unknown

Confirmation No.: 3329

Examiner: Unknown

Filed: March 3, 2006

For: LIQUID CHROMATOGRAPHY APPARATUS

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith.

1. "High Performance Liquid Chromatography Biochemical Applications, authored by P.R.

Brown, translated jointly by Susumu Nishimura, Takao Sekiya and Hiroshi Kasai and published by TOKYO KAGAKU DOZIN Co., Ltd., (1979), pp. 21-25.

2. "Liquid Chromatography in Biotechnology Field, Aggregate of General Resources of Industrialization Technology, edited by Kenji Soda and published by NIS Inc. (January 20, 1987), pp. 169-171.

3. EP 0 417 976 B1 published March 20, 1991, to Eisai Co., Ltd..

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4. U.S. Patent Application No. 2003/0168392 A1, published September 11, 2003.
5. EP 1 202 054 B1 published May 2, 2002, to Bruker BioSpin GmbH.
6. U.S. Patent No. 6,498,040 B1 issued December 24, 2002.
7. Japanese Patent Application Laid-Open No. 2003-066020, published March 5, 2003, to Sumitomo Chemical Co., Ltd. with Abstract.
8. Y. Xia et al., "Ternary-column system for high-throughput direct-injection bioanalysis by liquid chromatography/tandem mass spectrometry", Rapid Communications in Mass Spectrometry, Vol. 14, (2000), pp. 105-111.
9. K. Yamashita et al., "Development of On-line Sample Enrichment System Coupled to EXI-TOFMS and Its Application", Chromatography, Journal of Separation and Detection Sciences, Vol. 22, (2001) with Abstract.
10. K. Yamashita et al., "Development of On-line Sample Enrichment System Coupled to EXI-TOFMS and Its Application", Abstract Book, HPLC KYOTO, September 11-14, 2001, PP. 96.
11. K. Yamashita et al., "Development of On-line Sample Enrichment System Coupled to EXI-TOFMS and Its Application - Challenge to highly sensitive structural elucidation of impurities of agrochemicals and pharmaceuticals", SUMITOMO KAGAKU-SHI, (2002), pp. 56-64 with Abstract.
12. M. Okamoto et al., "Novel On-line Preparation System for LC-MS: Powerful tool for characterization of ppm level impurities under the nonvolatile mobile phase condition", Chromatography, Vol. 25, Supplement 1, (2004), pp. 31-33 with Abstract.
13. JP 7-5160 A, published January 10, 1995, to Mitsubishi Petrochemical Co., Limited. This reference was previously listed on an PTO/SB/08 A & B and has been considered by the Examiner.

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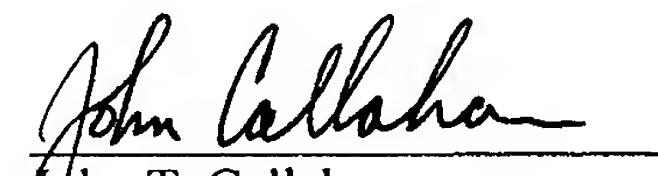
14. JP 4-221759 A, published August 12, 1992, to Shimadzu Corporation. This reference was previously listed on an PTO/SB/08 A & B and has been considered by the Examiner.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,


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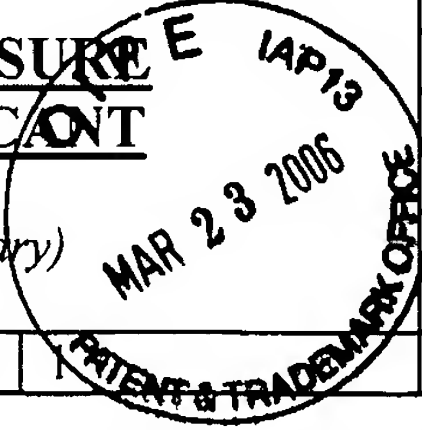
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Date: March 23, 2006

Substitute for Form 1449 ¹ A & B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			<i>Complete if Known</i>	
			Application Number	10/595,146
			Confirmation Number	3329
			Filing Date	March 3, 2006
			First Named Inventor	Kazuko YAMASHITA
			Art Unit	Unknown
			Examiner Name	Unknown
			Attorney Docket Number	Q93501
Sheet	1	of		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 2003/0168392	A1	09/11/2003	Masuda et al.
		US 6,498,040	B1	12/24/2002	Yokoyama et al.

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		EP	0 417 976	B1	03/20/1991	Eisai Co., Ltd.	
		EP	1 202 054	B1	05/02/2002	Bruker BioSpin GmbH	
		JP	2003-66020	A	03/05/2003	Sumitomo Chemical Co., Ltd.	Abstract

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		"High Performance Liquid Chromatography Biochemical Applications, authored by P.R. Brown, translated jointly by Susumu Nishimura, Takao Sekiya and Hiroshi Kasai and published by TOKYO KAGAKU DOZIN Co., Ltd., (1979), pp. 21-25.	
		"Liquid Chromatography in Biotechnology Field, Aggregate of General Resources of Industrialization Technology, edited by Kenji Soda and published by NIS Inc. (January 20, 1987), pp. 169-171.	
		Y. Xia et al., "Ternary-column system for high-throughput direct-injection bioanalysis by liquid chromatography/tandem mass spectrometry", Rapid Communications in Mass Spectrometry, Vol. 14, (2000), pp. 105-111.	
		K. Yamashita et al., "Development of On-line Sample Enrichment System Coupled to EXI-TOFMS and Its Application", Chromatography, Journal of Separation and Detection Sciences, Vol. 22, (2001) with Abstract.	
		K. Yamashita et al., "Development of On-line Sample Enrichment System Coupled to EXI-TOFMS and Its Application", Abstract Book, HPLC KYOTO, September 11-14, 2001, PP. 96.	
		K. Yamashita et al., "Development of On-line Sample Enrichment System Coupled to EXI-TOFMS and Its Application - Challenge to highly sensitive structural elucidation of impurities of agrochemicals and pharmaceuticals", SUMITOMO KAGAKU-SHI, (2002), pp. 56-64 with Abstract.	
		M. Okamoto et al., "Novel On-line Preparation System for LC-MS: Powerful tool for characterization of ppm level impurities under the nonvolatile mobile phase condition", Chromatography, Vol. 25, Supplement 1, (2004), pp. 31-33 with Abstract.	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.